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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/569,961	02/28/2006	Masao Nonaka	2006_0225A	3341		
	7590 09/29/200 , LIND & PONACK, I	EXAMINER				
1030 15th Street, N.W., Suite 400 East			BAYOU, YONAS A			
Washington, DO	C 20005-1503	ART UNIT	PAPER NUMBER			
			2434			
			MAIL DATE	DELIVERY MODE		
			09/29/2009	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Aı	Application No.		Applicant(s)				
		1	0/569,961		NONAKA ET AL.				
		Ex	kaminer		Art Unit				
		Y	ONAS BAYOU		2434				
<i>T</i> Period for R	he MAILING DATE of this commun eply	ication appear	s on the cover sh	eet with the co	orrespondence ad	ldress			
WHICHE - Extension after SIX - If NO peri - Failure to Any reply	TENED STATUTORY PERIOD F VER IS LONGER, FROM THE M s of time may be available under the provisions 6) MONTHS from the mailing date of this commod of for reply is specified above, the maximum streply within the set or extended period for reply received by the Office later than three months attent term adjustment. See 37 CFR 1.704(b).	IAILING DATE of 37 CFR 1.136(a) nunication. atutory period will ap will, by statute, caus	E OF THIS COMP I. In no event, however, oply and will expire SIX of see the application to become	MUNICATION may a reply be time (6) MONTHS from the	lely filed he mailing date of this c (35 U.S.C. § 133).				
Status									
1)⊠ Re	enoneive to communication(s) file	ad on 28 Febru	iany 2006						
· —	Responsive to communication(s) filed on <u>28 February 2006</u> . This action is FINAL . 2b)⊠ This action is non-final.								
<i>'</i> —		<i>,</i> —		I matters pro	secution as to the	e merits is			
<i>,</i> —	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition	·	, , , , , , , , , , , , , , , , , , ,							
· _									
•	Claim(s) <u>1-36</u> is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.								
•	5) Claim(s) is/are allowed.								
·	nim(s) is/are rejected.								
•	nim(s) is/are objected to.	.,							
8) <u> X </u> Cla	nim(s) <u>1-36</u> are subject to restricti	on and/or elec	tion requirement						
Application	Papers								
9) <u></u> Th∈	specification is objected to by th	e Examiner.							
10) ⊠ The	drawing(s) filed on <u>28 February</u>	<u>2006</u> is/are: a	ı)🏻 accepted or	b) objected	l to by the Exami	ner.			
Ар	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Re	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)∐ The	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority und	er 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
2) Notice of 3) Information	References Cited (PTO-892) Draftsperson's Patent Drawing Review (Fon Disclosure Statement(s) (PTO/SB/08) (s)/Mail Date <u>02/28/2006, 04/25/2006 and</u>	·	Pap 5) Not	erview Summary (per No(s)/Mail Da ice of Informal Pa er:	te				



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DETAILED ACTION

Election/Restrictions

1. This application contains claims directed to the following patentably distinct species:

Group 1: Figures 1-6, 8-26, 28-45, and 46-53 associates with claims 1-17, and 26-36.

Group 2: Figures 7, 27, and 46 associates with claims 18-25.

- 2. The groups are independent or distinct because each of the various disclosed species details a mutual exclusive characteristics of:
 - Group 1. A key distribution system for distributing shared keys, said key distribution system comprising:

a server which generates common information based on each of the shared keys and distributes the common information; and

receiving devices each of which obtains the shared key based on the common information and an individual intermediate key group set,

wherein each of said receiving devices has been previously provided with at least one individual intermediate key group set which has been selected from among individual intermediate key group sets including at least two different types of individual intermediate key group sets, each of the individual intermediate key group sets including individual intermediate key groups, and

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each of the individual intermediate key groups being made up of one or more individual intermediate keys which have been generated based on one or more system secret variable groups,

said server and said receiving devices can communicate via a communication channel,

said server includes: a shared key storage unit operable to store the shared keys; a system secret variable group storage unit operable to store the system secret variable group sets which are made up of the previously provided system secret variable groups;

each of common information generation units operable to generate the common information based on each shared key;

a common information generation unit selection unit operable to select one of said common information generation units; and

a common information distribution unit operable to distribute the common information to said receiving devices simultaneously or at different times,

each of said common information generation units is operable to generate key update data based on the system secret variable group set and the shared key and operable to generate, using a different common information generation method, common information including (a) a common information identifier and (b) the key update data, the common information identifier

corresponding to the common information generation method, each of said receiving devices includes:

a common information receiving unit operable to receive the common information;

an individual intermediate key group storage unit operable to store the individual intermediate key group sets each of which is made up of the individual intermediate key groups corresponding to each of the common information generation methods;

shared key obtainment units which respectively correspond to said common information generation units; and

a shared key obtainment unit selection unit operable to select one of said shared key obtainment units,

said shared key obtainment unit selection unit is operable to select one of said shared key obtainment units based on the common information identifier included in the common information which has been received by said common information receiving unit, and

each of said shared key obtainment units is operable to obtain the shared key, using the common information, based on the shared key obtainment method corresponding to the common information identifier and the individual intermediate key group; and

Group 2. A receiving device in a key distribution system comprising a server which distributes shared keys and receiving devices which receive the shared keys, said receiving device comprising:

a common information receiving unit operable to receive the common information from outside;

an individual intermediate key group storage unit operable to store individual intermediate key group sets each of which is made up of individual intermediate key groups corresponding to each of the common information generation methods;

shared key obtainment units which correspond to said common information generation methods; and

a shared key obtainment unit selection unit operable to select one of the shared key obtainment units,

wherein said shared key obtainment unit selection unit is operable to select the shared key obtainment unit based on the common information identifier included in the common information which has been received by said common information receiving unit, and

said shared key obtainment unit is operable to obtain the shared key, using the common information, based on the shared key obtainment method corresponding to the common information identifier and the individual intermediate key group.

3. Applicant is required under 35 U.S.C. 121 to elect a single disclosed groups for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claims are generic.

Applicant is advised that a reply to this requirement must include an identification of the groups that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added.

An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional groups which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected groups. MPEP § 809.02(a).

4. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a group of invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or groups may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or groups are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or groups to be obvious variants

or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103 (a) of the other invention.

5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yonas Bayou whose telephone number is 571-272-7610. The examiner can normally be reached on m-f,7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Del Sole can be reached on 571-272-1130. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Yonas Bayou/

Examiner, Art Unit 2434

09/24/2009

/Kambiz Zand/

Supervisory Patent Examiner, Art Unit 2434